

## **ADDENDUM NO. 5**

CITY OF SAN ANTONIO  
AVIATION DEPARTMENT

PROJECT NAME: **San Antonio International Airport IT Infrastructure Modernization**

DATE: February 02, 2012

## **ADDENDUM NO. 5**

This addendum shall be included in, and be considered a part of the plans and specifications for the above named project. The contractor shall be required to sign an Acknowledgment of the receipt of this Addendum, in the form attached hereto as Attachment A to Addendum No.5, and submit the Acknowledgement with their bid.

AVIATION PROJECT NO.: 33-00048

---

### **A. SPECIFICATIONS REVISIONS**

**Replace** Form 010 IFB and Contract previously revised on 1/12/12 with the revised Form 010 IFB and Contract as attached hereto as Attachment B to Addendum No. 1.

- Add: "Date Revised: 2/1/12"
- Change submittal due date to February 14, 2012

### **B. DRAWING REVISIONS**

On Plan Sheets N1-A2.00 and N2-A2.00:

- **REVISE** General Note 4 to "Pre-fabricated structure supplier shall provide a design for the structural integrity of the building. The engineer of record must be registered in the state of Texas, and the design must be sealed with a Texas stamp. Refer to Sheet O-M1.00 for HVAC design requirements."

### **C. QUESTIONS RECEIVED BY CITY STAFF IN ACCORDANCE WITH FORM 040, STANDARD INSTRUCTIONS TO BIDDERS, SECTION 12, RESTRICTION ON COMMUNICATION, ARE ANSWERED AS FOLLOWS:**

- 1) Per Addendum 2 Item A-1 we are to disregard requirements for unit prices for pier casing and greater and lesser depth drilling. Since there are no unit prices are we to bid piers without casing or should the cost of casing piers be included in the base bid? Will we be able to recoup the added cost for greater depth piers through change order?

**Response:** Bidder is to follow the plans and specifications and addenda for estimating construction of the piers at designed locations. Significant deviations from design, due to

unknown conditions, will be addressed during construction and through change order(s) as necessary.

- 2) Please advise as to how many bid submission books (bid, bid bond, qualifications, etc.) are required for this turn in.

**Response:** Only one bid submission book is required (in accordance with the first paragraph of Form 010, IFB as revised 1/13/12).

- 3) In reference to the specifications section 212200 Clean-Agent Fire-Extinguishing Systems. Section 2 – System Requirements Paragraph I A specifies a total flooding system utilizing halocarbon agents. Section 2 – System Requirements Paragraph II B 14) specifies engineered discharge nozzle for Novec 1230 and again in 14) b specifies that the nozzles be specifically for application of Novec 1230. While Novec 1230 is a halocarbon agent, it is a manufacturer specific (3M) agent. Will other halocarbon agents by other manufacturers be acceptable?

**Response:** Yes, other halocarbon agents by other manufacturers are acceptable as long as the systems are listed for the application and in accordance with all codes, standards and specifications.

- 4) Cabinets, the BDF shows 20 new cabinets and 5 as add alternates, is this correct?

**Response:** Yes.

- 5) Combined I show 51 new cabinets, seems excessive? Is this correct?

**Response:** Yes, this is correct. All aspects of the cabinet design have been reviewed with and approved by Aviation and ITSD personnel.

- 6) Plywood in comm rooms, specs say all walls to have plywood, the room layout plans show plywood on some rooms and none in others, same for ladder racks.

**Response:** All rooms have plywood. Reference architectural plans, including wall type detail 1/O-A0.01 for additional information. Place ladder racks in accordance with plans.

- 7) Horizontal cabling, I find no plans with horizontal cabling locations, is this task not a part of this bid? The only cat.6 cabling I find is from cabinet to cabinet.

**Response:** Correct, there is no horizontal cabling in this design.

- 8) Existing West Vault, disconnecting all existing fiber and relocating to new OSDPN-010, is this to be included in our quote or is an outside source doing this?

**Response:** This is part of the Work and is to be included in the bid.

- 9) Existing ARFF IDF shows new 24 strand to new OSDPN-020, Plan T1.30 illustrates the route but not to scale. Where can I find an actual scaled path way?

**Response:** Additional information, with a scale, is provided on sheet T1.01. Site visits were made available as announced in Addendum 3 for bidder to obtain additional information as desired such as this.

- 10) T1.01, T1.02, T1.30, illustrate OSP fiber cable to ARFF thru conduits/aerial. Is this task to be included in my scope or is this for conduits only? If yes where do I find a more accurate layout?

**Response:** Question is unclear as sheets listed also address West Vault, not just the ARFF. T1.01 fiber scope is indicated on sheet T1.30 for both the West Vault and the ARFF. On sheet T1.01, conduit referenced by keyed note 1 is to be underground conduit. Conduit referenced by keyed note 3 is existing conduit from existing duct and traverses through the interior. On sheet T1.02, per keyed notes 1 and 3, these conduits are to be bid as an overhead conduit installation with add alternative pricing for an underground installation.

- 11) In specs it mentions open 19" racks but I only located cabinets in comm rooms, is this correct?  
**Response:** Correct, no 19 inch open racks are to be provided as part of this design.
- 12) Plans illustrate that existing comm rooms will be decommissioned by an outside source, is this correct?  
**Response:** Yes, this is correct.
- 13) Is it ok to replace a 144 strand fiber with multiple runs of 48 strand since there's a minimum footage order for these types of fiber?  
**Response:** No, replacement for these fibers is not acceptable.
- 14) Is there a UPS System required for Node 1 or Node 2 shelter?  
**Response:** No, there is no UPS System required in the Distribution Nodes.
- 15) Regarding Node 1 or Node 2 shelter, I don't see a Size for the Redundant Air Conditioners, Fibrebond does Not calculate Size of Air Conditioners also-(3-ton, 4-ton-etc...) Please Advise!  
**Response:** Reference "Package Air Conditioning Unit Schedule" on drawing sheet O-M1.00 for AC unit information.
- 16) The response to question 2 on the Intumescent Fireproofing in addenda 4 it is stated that: "All ceilings and ceiling structure in BDF, IDF 4, IDF 2, and IDF 1 are to have 2 hour intumescent fire resistive coating." IDF 2 has a concrete ceiling. There aren't intumescent materials available to provide a 2 hour rating to concrete. A cementitious material can be used in lieu of the intumescent material in these areas. Is this acceptable? There is not a spec for cementitious fireproofing and this material comes in several different densities. Normally in an exposed condition a medium density (22lb) or high density (40lb) would be used. Can you please provide direction on what density is required?  
**Response:** Basis of Design: Albi Clad 800 as manufactured by Albi Manufacturing, Division of StanChem, Inc. 401 Berlin Street, East Berlin, Connecticut 06023. Albi Representative: Gulf Coast Office Mr. Michael Byrne, P.O. Box 35558 Houston, TX 77235 , ph: 281-485-8510 fax: 281-485-6724, email: mbyrne@albi.com , Territory: Texas, Louisiana. Approved equals also acceptable.  
High density (40 pcf) cementitious fireproofing will be acceptable if manufacturer and contractor guarantee there will be no chalking, flaking, or deterioration of the material after installation. A white finish is required. A top coat will be required. Contractor will need to coordinate appropriate top coat with material manufacturer. Selected Contractor will require prior approval for use of a cementitious fireproofing.
- 17) Per the response to question 2 on the Intumescent Fireproofing in addenda 4 it is stated that: "All ceilings and ceiling structure in BDF, IDF 4, IDF 2, and IDF 1 are to have 2 hour intumescent fire resistive coating." IDF 4 has a metal deck roof. There aren't intumescent materials available with a UL tested design to provide a 2 hour rating to metal decking. A thickness of intumescent material can be extrapolated per the gauge of the metal decking used however there is not a UL tested design for this application so under fire conditions it is a best guess that it will perform as required. A cementitious material can be used in lieu of the intumescent material in these areas. Is this acceptable? There is not a spec for cementitious fireproofing and this material comes in several different densities. Normally in an exposed condition a medium density (22lb) or high density (40lb) material would be used. Can you please provide direction on what density is required.  
**Response:** In lieu of intumescent fireproofing at metal deck, a board product may be used. Basis of Design: Albi DriClad (ANSI/UL 263, Design No. D303, or D929), or approved equal manufacturers. Structural members may be encased in the DriClad material or an intumescent paint equal to Albi Clad TF with Albi 487S phenolic modified alkyd primer.

High density (40 pcf) cementitious fireproofing will be acceptable only if manufacturer and contractor guarantee there will be no chalking, flaking, or deterioration of the material after installation. There will be occasional walking on this roof structure. The contractor will need to guarantee that there will be no flaking of the cementitious material over the life of the structure. A white finish is required. A top coat will be required. Contractor will need to coordinate appropriate top coat with material manufacturer. Selected Contractor will require prior approval for use of a cementitious fireproofing.



*Carla L. Marley*  
*February 2, 2012*

**ATTACHMENT A TO ADDENDUM NO. 5**

**Acknowledgement of Receipt of Addendum No. 5**

**CITY OF SAN ANTONIO  
AVIATION DEPARTMENT**

RECEIPT OF ADDENDUM NO.   5   IS HEREBY ACKNOWLEDGED FOR PLANS AND

SPECIFICATIONS FOR CONSTRUCTION OF San Antonio International Airport IT Infrastructure  
Modernization – 33-00048

FOR WHICH BIDS WILL BE OPENED ON Tuesday, February 14, 2012 at 2:00 p.m.

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID  
PACKAGE.

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print Name/Title

**ATTACHMENT B TO ADDENDUM NO 5**

**Revised Form 010 IFB and Contract  
Issued on February 2, 2012**



# CITY OF SAN ANTONIO

Issued By: Aviation Department  
ID NO.:IFB 33-00048

Date Issued: Dec 19, 2011/ Date Revised: 1/13/12 2-2-12  
Page 1 of 1

## **FORMAL INVITATION FOR BIDS (IFB) and CONTRACT**

### **Airport IT Infrastructure Modernization**

#### **Project No. 33-00048**

Sealed bids, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, TX 78205 until **2:00 p.m. CST** on Tuesday, **February 14, 2012** and publicly read aloud at **114 W. Commerce, Municipal Plaza Building "B" Room**. This is the *solicitation deadline*. Bids must be submitted in a sealed envelope and clearly marked with the due date of bid, bidder name, Project Name and ID NO. The City is not responsible for submissions not clearly and appropriately marked. Late submissions will be rejected and returned to bidder. A Non-Mandatory Pre-submittal conference will be held at Terminal A Mezzanine Level Conference Room, San Antonio International Airport, 9800 Airport Blvd., San Antonio, TX 78216 on January 9, 2012 at 10:30 a.m. Immediately following the pre-bid meeting attendees will be offered an optional site tour of Terminal A and both distribution node locations. Bidders are encouraged to pre-register for the site tour by sending an email to Peter Longoria at [peter.longoria@barich.net](mailto:peter.longoria@barich.net) with your company name and number of tour attendees.

#### **TABLE A - This invitation includes the following Contract Documents:**

010	Invitation for Bids and Contract Signature Page	■	SBEDA Guidelines
020	Bid Form	■	SBEDA Subcontractor/Supplier Utilization Plan form
030	Contractor's Questionnaire	■	SBEDA Subcontracting Waiver Form
040	Standard Instructions to Respondent	■	SBEDA Program Requirements Exception Request Form
	Supplemental Conditions	■	Performance and Payment Bonds
060	General Conditions for Building Construction	■	Ordinance 2008-11-20-1045
080	Contract	■	Wage Decision TX 120002 01/06/2012 TX2

Plans, Specifications and Special Conditions may be purchased at a cost of \$130.00 per set (tax included) by appointment only from the office of Engineering Economics Inc (EEI), 85 North East Loop 410, Suite 300, San Antonio, TX 78216, Phone- (210) 496-3100. CDs containing PDFs of the Project Manual and Plans are available at the EEI office at a cost of \$25.00 to those purchasing (or who have already purchased) hard copies. If there is any discrepancy between the PDF copies and the hard copy, the hard copy controls. **The CDs are being provided only for informational purposes and the City does not guarantee the accuracy of the information contained on the CDs.** PDF drawings do not negate the requirement for field dimensions. No refund will be made for plan sets or CDs purchased. Addenda will be posted on the web at [www.sanantonio.gov/rfp listings](http://www.sanantonio.gov/rfp listings) along with this solicitation. Changes to Plans, Specifications and Special Conditions will be included in an addendum and may be obtained from the office of EEI. Bidder understands and agrees that bidder is responsible for obtaining addenda and adhering to all requirements in addenda. City is not responsible for incorrect information obtained through other sources. Plans are entitled "Airport Infrastructure Modernization". Specifications are entitled "Airport IT Infrastructure Modernization".

The following documents (fully completed and with original signatures) constitute the required information to be submitted as a part of the bid proposal clearly marked on the outside of the sealed envelope with the due date of bid, bidder name, Project Name and ID NO as follows:

- |     |     |  |     |  |
|-----|-----|--|-----|--|
| 1.) | 010 | Invitation for Bids and Contract Signature Page          | 4.) | SBEDA Subcontractor/Supplier Utilization Plan form |
| 2.) | 020 | Bid Form   | 5.) | Bid Bond or Cashier's Check                        |
| 3.) | 030 | Contractor's Questionnaire with all required attachments | 6.) | Signed Addenda Acknowledgement Forms               |

It is understood and agreed that the work is to be completed in full on or before 322 calendar days. This project does not include hazardous environmental work. This project requires 1 project sign.

SBEDA Language: Respondents must demonstrate commitment to satisfy a fifteen percent (15%) subcontracting goal. In the absence of a waiver granted by the Small Business Office, failure of a Respondent to commit to satisfying the SBE subcontracting goal shall render its response NONRESPONSIVE.

This is a Public Works Contract and chapter 2258 of the Texas Government Code requires that not less than the prevailing wage rate for work of a similar character in this locality shall be paid all laborers, workmen, and mechanics employed in the construction thereof. The Wage Decision Number **TX120002 01/06/2012 TX2** shall be used on this contract, which is available on the web at <http://www.wdol.gov/dba.aspx#0>.

**The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with Contract Documents for the amount(s) shown on the accompanying bid sheet(s). The work proposed to be done shall be accepted when fully completed and finished to the entire satisfaction of the City. The undersigned certifies all prices contained in this bid have been carefully checked and are submitted as correct and final. The Bidder by submitting this bid and signing below, acknowledges that he/she has received & read the entire Bid and Contract document and agrees to be bound by the terms therein, has received all Addenda, and agrees to the terms, conditions, and requirements of the bidder's bid proposal and all documents listed in TABLE A above and the enabling Ordinance and associated documentation that form the entire Contract upon approval by the City Council.**

Official Name of Company (legal): \_\_\_\_\_

\_\_\_\_\_/\_\_\_\_\_  
Original Signature of Person Authorized to Sign Bid/Contract      Date      Signer's Name: \_\_\_\_\_  
(Please Print or Type)